



Government of West Bengal
Government General Degree College, Kalna I
Muragacha, Medgachi, Purba Bardhaman-713405
Website : www.ggdck.ac.in, E-mail : govt.collegekalna1@gmail.com
Office of the Principal

Departments of Physics and Mathematics

Notice

No.02/semi/2020

Date:31.08.2020

This is to inform you all concerned that a Webinar on “**Modern Aspects of Nonlinear Dynamics**” is going to be held on 06.09.2020 from 03:00 p.m. onwards. Lectures will be delivered by Prof. G. C. Layek and Prof. Mukdish Acharyya. So, all the students and faculty members are hereby requested to be present in the webinar.

Convener
Tanmay Das
**Assistant Professor, Department of
Physics**



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Office of the Principal

Government General Degree College at Kalna 1
Department of Mathematics & Physics with IQAC presents

A State level webinar on



Modern Aspects of Nonlinear Dynamics

Date: 6th September, 2020 Time: 2:45 pm

Program Schedule

Inaugural Speech: **Dr. Bidyut Kumar Das**, Officer-in-Charge.
Welcome address : **Dr. Parnajyoti Karmakar**, IQAC co-ordinator.
Introductory Speech: **Dr. Tanmay Das**, Department of Physics.

Technical Session

	Esteemed Speakers	Topic	Time
	Dr. G. C. Layek Professor, Department of Mathematics, The University of Burdwan	An introduction to Nonlinear Dynamics	3 pm – 4pm
	Dr. Muktish Acharyya Professor, Department of Physics, Presidency University, Kolkata	Can phase transition be visualized as bifurcation?	4 pm – 5pm

Organizing Committee:

Chairperson: **Dr. B. K. Das**, Officer-in-Charge

Convener: **Dr. T Das** Jt. Conveners: **Dr. M S Mandal**, **Dr. M Mandal**

IQAC co-ordinator : **Dr. P Karmakar**

Registration link: <https://forms.gle/bGWHPH4yNbvkbY7B9>



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Modern Aspects of Nonlinear Dynamics webinar

Organized by
The Departments of Physics and Mathematics held on 6th September, 2020.

Program Schedule		
Time	Topic	Speaker
3:00 PM – 4:00 PM	Nonlinear Dynamics, Chaos and Fractals	Prof. G. C. Layek
4:00 PM – 5:00 PM	Can phase transition be visualized as bifurcation?	Prof. Muktish Acharyya




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Report on Modern Aspects of Nonlinear Dynamics webinar

The said webinar was commenced from 14:30 IST and was simultaneously broadcasted through Google Meet and Youtube live platforms. Esteemed speakers were Dr. G. C. Layek, Professor, Department of Mathematics, The University of Burdwan and Dr. Mukdish Acharyya Professor, Department of Physics, Presidency University, Kolkata.

The program was inaugurated Dr. Subrata Das, Department of Bengali, GGDC, Kalna-I and conducted by Dr. Tanmay Das, Department of Physics, GGDC, Kalna-I. A welcome note was delivered by Dr. Parnajyoti Karmakar, Department of Chemistry, GGDC, Kalna-I

Session-I:

Speaker: **Prof. G. C. Layek**

Topic: **Nonlinear Dynamics, Chaos and Fractals**

Summary of the talk: Prof. Layek started by introducing mathematical formulations of Nonlinear systems focusing on linear stabilization theory in phase plane and further complex possibilities were introduced in final stage of the talk.

Session-II:

Speaker: **Prof. Mukdish Acharyya**

Topic: **Can phase transition be visualized as bifurcation?**

Summary of the talk: Prof. Acharyya built up physical application of nonlinearity specifically on the theory of bifurcation and discussed phase transition and critical phenomena in this regard.

Q&A sessions were also arranged after each talk and many questions and clarifications were discussed in both sessions leading to fruitful academic cycle. It was attended by approximately 60 participants.

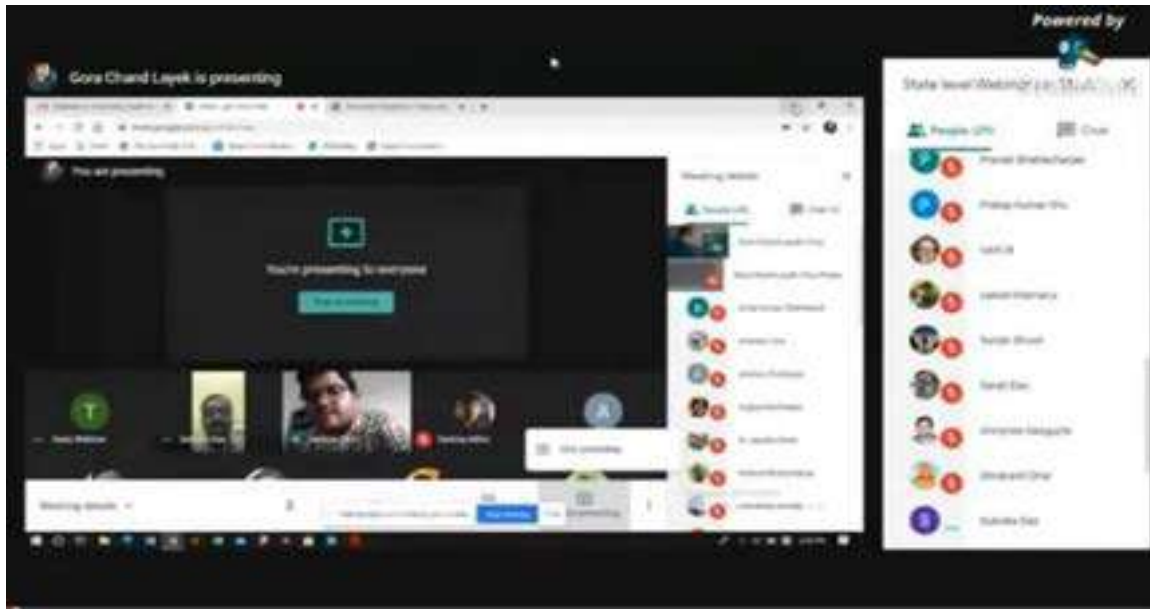
The webinar was concluded by Dr. Tanmay Das by delivering a concluding remark and heartfelt thanks to both the esteemed speakers.



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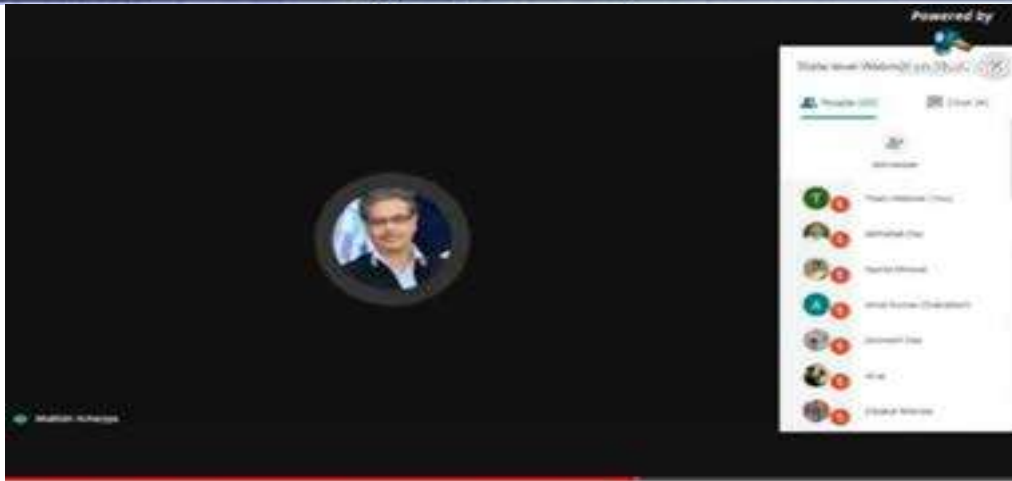
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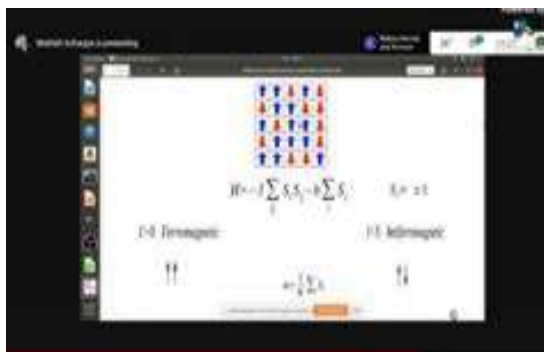
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Programme: Webinar on Modern Aspects of Nonlinear Dynamics

Date: 06.09.20

Venue: Google Meet Platform

Attendance

Timestamp	Name of Participant	Salutation	Name of the College/Institution	Designation	Department	Email ID
06/09/2020 14:56:20	Mahatsab Mandal	Dr.	Government General Degree College at Kalna-I	Assistant Professor	Physics	mahatsab@gmail.com
06/09/2020 15:00:28	Piyal Dutta	Mr.	Govt. General degree collage at kalna 1	Student	Chemistry	piyaldutta2000@gmail.com
06/09/2020 15:00:29	PRIYANKA MAITY(DAS)	Mrs.	Government General Degree College at Kalna-1	Assistant Professor	Philosophy	priya.maity@gmail.com
06/09/2020 15:00:34	Ishwar Singh	Mr.	Government General Degree College at Kalna-1	Student	Chemistry	Ishwar_singh72@gmail.com
06/09/2020 15:00:37	Tanmay Das	Dr.	Government General Degree College at Kalna 1	Assistant Professor	Physics	tanmay.physics@gmail.com
06/09/2020 15:00:42	SILA RANI BASAK	Mrs.	Government General Degree College at Kalna 1	Assistant Professor	Bengali	bhaskarsila2015@gmail.com
06/09/2020 15:00:47	Dr Yasmin Saima	Dr.	Vivekananda College, Madhyamgram	Associate Professor	Chemistry	yasmin.saima2010@gmail.com
06/09/2020 15:00:55	Barnali Mapder	Miss	Government General Degree College at kalna 1	Student	Chemistry	barnali.mapder2015@gmail.com
06/09/2020 15:00:55	Dr. Pranabes Bhattacharyya	Dr.	Dr. A. P. J. Abdul Kalam Government College	Assistant Professor	Chemistry	pranabes.bhattacharyya@gmail.com
06/09/2020 15:00:58	Shashwata Dutta		Government General Degree College kalna 1	Student	English	shashwatadutta2018@gmail.com
06/09/2020 15:00:58	Rakhi Bhattacharya	Dr.	Government General Degree College at Kalna I	Assistant Professor	Education	kajora@gmail.com
06/09/2020 15:00:58	Md Hossain	Mr.	Bejoy Narayan Mahavidyalaya 19	Assistant Professor	Physics	 Principal Government General Degree College Kalna-1 mhossain@yahoo.co.in

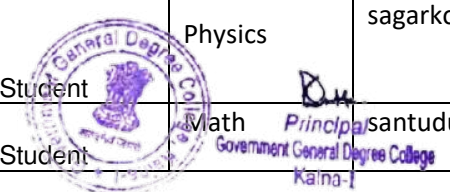
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Date: 06.09.20

Venue: Google Meet Platform

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06/09/2020 15:01:03	Satriya Bakshi	Mr.	Government General Degree College at Kalna I	Student	Mathematics	satriya_bakshi@gmail.com
06/09/2020 15:01:04	Saikat Khamarui	Dr.	Govt. General Degree College at Kalna-1	Assistant Professor	Chemistry	saikatkhmarui21@gmail.com
06/09/2020 15:01:07	Tushar Ghosh	Mr.	Government General Degree College at Kalna I	Student	Mathematics	ghoshtushar 17@gmail.com
06/09/2020 15:01:08	Ranisa Sarkar	Ms.	Government General Degree College at Kalna 1	Student	Chemistry	ranisasarkar15@gmail.com
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06/09/2020 15:01:09	Akash biswas	Mr.	Ggdck1	Student	PHYSICS	ab1792219@gmail.com
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06/09/2020 15:01:36	Ankita Goswami	Ms.	Govt. General Degree College at Kalna-1	Student	Chemistry	ankitagoswami2017@gmail.com
06/09/2020 15:01:37	HIMANISH NATH	Mr.	Government General Degree College at Kalna-I	Student	Mathematics	himanishnath99@gmail.com
06/09/2020 15:01:42	Sagar kumar Koley	Mr.	Government General Degree College at Kalna 1	Student	Physics	sagarkoley98@gmail.com
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15:01:45						
06/09/2020 15:01:50	Somnath Dutta	Mr.	GGDCK1	Student	Mathematics	karunadutta0685419@gmail.com
06/09/2020 15:01:55	Souvik Banerjee	Mr.	Government General Degree College , Kalna -I	Student	Chemistry	me.souvikbanerjee01@gmail.com
06/09/2020 15:02:03	Suraj Chatterjee	Mr.	Government General Degree College at Kalna 1	Student	Physics	surachatterjee010@gmail.com
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06/09/2020 15:04:34	Dibakar Mondal	Dr.	Government General Degree College at Kalna-1	Assistant Professor	Mathematics	dibakar12.87@gmail.com
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